trol information being provided to and displayed on a display device. Arrangement **900** also includes a communication module **908** that facilitates communication between the portable media device and an accessory device. Still further, arrangement **900** includes an accessory manager **910** that operates to authenticate and acquire data from an accessory device that can be coupled to the portable electronic device.

[0041] FIG. **10** is a block diagram of an electronic device **1000** suitable for use with the described embodiments. Electronic device **1000** illustrates circuitry of a representative computing device. Electronic device **1000** includes a processor **1002** that pertains to a microprocessor or controller for controlling the overall operation of the electronic device **1000**. Electronic device **1000** stores media data pertaining to media items in a file system **1004** and a cache **1006**. The file system **1004** is, typically, a storage disk or a plurality of disks. The file system **1004** typically provides high capacity storage capability for the electronic device **1000**. However, since the access time to the file system **1004** is relatively slow, the electronic device **1000** can also include a cache **1006**. The cache **1006** is, for example, Random-Access Memory (RAM) provided by semiconductor memory. The relative access time to the cache **1006** is substantially shorter than for the file system **1004**. However, the cache **1006** does not have the large storage capacity of the file system **1004**. Further, the file system **1004**, when active, consumes more power than does the cache **1006**. The power consumption is often a concern when the electronic device **1000** is a portable media device that is powered by a battery **1008**. The electronic device **1000** can also include RAM **1010** and Read-Only Memory (ROM) **1012**. The ROM **1012** can store programs, utilities or processes to be executed in a non-volatile manner. The RAM **1010** provides volatile data storage, such as for the cache **1006**.

[0042] The electronic device **1000** also includes a user input device **1014** that allows a user of the electronic device **1000** to interact with the electronic device **1000**. For example, the user input device **1014** can take a variety of forms, such as a button, keypad, dial, touch screen, audio input interface, visual/image capture input interface, input in the form of sensor data, etc. Still further, the electronic device **1000** includes a display **1016** (screen display) that can be controlled by the processor **1002** to display information to the user. A data bus **1018** can facilitate data transfer between at least the file system **1004**, the cache **1006**, the processor **1002**, and the CODEC **1020**.

[0043] The various aspects, embodiments, implementations or features of the described embodiments can be used separately or in any combination. Various aspects of the described embodiments can be implemented by software, hardware or a combination of hardware and software. The described embodiments can also be embodied as computer readable code on a computer readable medium for controlling manufacturing operations or as computer readable code on a computer readable medium for controlling a manufacturing line. The computer readable medium is any data storage device that can store data which can thereafter be read by a computer system. Examples of the computer readable medium include read-only memory, random-access memory, CD-ROMs, DVDs, magnetic tape, and optical data storage devices. The computer readable medium can also be distributed over network-coupled computer systems so that the computer readable code is stored and executed in a distributed fashion.

[0044] The foregoing description, for purposes of explanation, used specific nomenclature to provide a thorough understanding of the described embodiments. However, it will be apparent to one skilled in the art that the specific details are not required in order to practice the described embodiments. Thus, the foregoing descriptions of specific embodiments are presented for purposes of illustration and description. They are not intended to be exhaustive or to limit the described embodiments to the precise forms disclosed. It will be apparent to one of ordinary skill in the art that many modifications and variations are possible in view of the above teachings.

1. A wearable video device arranged to be worn by an end-user, comprising:

a flexible substrate having a flat state and a curled state;

a flexible display disposed upon a first surface of the flexible substrate, wherein in the curled state the flexible substrate conforms to an appendage of the end-user, the flexible substrate further comprising:

an electronic module in communication with the flexible display, the electronic module providing information to the display, at least a part of which is presented in real time for presentation by the flexible display; and

a mechanism for detecting an end portion of the flexible display, the detection for adjusting the arrangement of information shown on the flexible display to match the size of the appendage the wearable video device is mounted on.

2. The wearable video device as recited in claim **1**, wherein the end detection mechanism allows the displayed information to smoothly continue across a portion of the wearable video device where the flexible display overlaps itself.

3. The wearable video device as recited in claim **2**, wherein the flexible substrate is a bi-stable spring substrate.

4. The wearable video device as recited in claim **3**, wherein the electronic module comprises:

a wireless communications antenna;

a battery;

an integrated circuit for driving the flexible display; and

a data and power connector.

5. The wearable video device of claim **4**, wherein the flexible display further comprises:

a user interface in the form of a touch sensitive sensor overlaid on the flexible display.

6. The wearable video device of claim **5**, wherein the flexible display wraps around at least one edge of the bi-stable spring substrate.

7. The wearable video device of claim **6**, wherein the mechanism for detecting an end portion comprises:

capacitive elements disposed in a recognizable pattern on one end of a second surface of the bi-stable spring substrate, the capacitive elements arranged to interact with the touch sensitive sensor on the flexible display.

8. The wearable video device of claim **7**, wherein the position of the capacitive elements on the touch screen allows the wearable video device to determine where the end of the wearable video device comes in contact with the touch screen, so that the wearable video device can deactivate the covered portion of the flexible display and can properly configure the continuous display around the wearable video device.

9. The wearable video device of claim **5**, wherein the electronic module uses a sensor for detecting a change between